

Programme

TUESDAY, September 26, 2023, 09:00-17:00 – Day 1 : Benchmarking

9:00	Welcome & Opening	Dr. France Boillod-Cerneux, Dr. Christophe Calvin
09:10	Keynote: HPC System Management and Application Software Initiatives in India under National Supercomputing Mission	Dr. Sanjay A. Wandhekar, C-DAC
Perspective from the Systems Community		
10:00	Benchmarking and co-design: examples from the DEEP and EPI projects	Dr. Estela Suarez
10:20	Benchmarks for System Procurements	Dr. Andreas Herten, FZJ
10:45		Dr. Sadaf Alam, Bristol University
11:10	Break	
11:30		Dr. Miwako Tsuji, RIKEN
11:45	Open discussion	
Perspective from the Applications Community		
12:00		Dr. Coen de Graaf, University Rovira i Virgili
12:25	Working lunch	
14:00	Benchmarking electronic structure codes on their way to exascale	Dr. Andrea Ferretti, CNR
14:25	Improving our understanding of the Sun: the role of simulations and their validation for studying turbulent magnetized flows	Dr. Allan Sacha Brun, CEA
Perspective from the Vendor Community		
14:50	Sustainability through accelerated datacenters, parallel language standards, community benchmarks, and regular software testing at scale.	Dr. Jack Wells, NVIDIA
15:15		Dr. Ludovic Enault, ATOS
15:40	Perspectives on HPC Benchmarking	Dr. David Lecomber & Dr. Conrad Hillairet, ARM
16:05	Challenges of performance modelling at scale	Dr. Fabrice Dupros, Intel
16:30	Break	
17:00	Towards benchmarking metadata: White paper	Dr. France Boillod-Cerneux Dr. Christophe Calvin
17:40	Conclusion and Closing	Dr. France Boillod-Cerneux Dr. Christophe Calvin
18:00	Adjourn Day 1	
18:45	A diner is offered by AIDAS for all the Open symposium participants	

WEDNESDAY, September 27, 2023, 09:00-17:00 - Day 2 : Software sustainability

09:00	Introduction	Christophe Calvin and France Boillod-Cerneux
09:10	Keynote : Sustainable research ecosystems through Open Science	Dr. Marta Teperek – FAIR data Programme leader of the NWO
10:10	Break	
Performance Portability		
10:30	Performance portability and software sustainability with Kokkos	D. Lebrun-Grandi / ORNL Christian Trott / SNL
11:00	CEXA project: Towards a Middleware to operate GPUs in Exascale context (Mission and Use Cases)	F. Baligand / CEA E. Audit / CEA
11:30	Preparing BigDFT for Aurora	Christoph Bauinger / Intel
12:00	Working Lunch	
Long-term sustainability		
13:00	The NumPEX program, a major French contribution to the Exascale European roadmap	Jérôme Bobin / CEA
13:30	E4S	Todd Gamblin / LLNL
14:00	Towards a Software Pillar of Open Science, from policy to implementation	Roberto Di Cosmo / INRIA
14:30	Break	
Environmental sustainability		
14:50	Software for sustainability – Green IT and Sustainable Computing	Woong Shin – ORNL
15:20	Energy aware numerical simulation	Simon McIntosh-Smith University of Bristol
15:50	Finding the path to optimize the energy criterion of HPC/AI applications	Hervé Mathieu / DENERGIUM
16:20	Adjourn Day 2	

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